AMENDMENTS TO THE CLAIMS

Kindly amend the claims as follows:

1. (Original): A method of producing an array of proteins comprising,

a) providing a first nucleic acid array comprising nucleic acid molecules immobilized to a support,

b) expressing the nucleic acid molecules to produce proteins,

c) immobilizing the proteins to the support.

2. (Original): A method of producing an array of proteins comprising,

a) providing a first nucleic acid array comprising nucleic acid molecules immobilized to a support, and amplifying *in situ* the nucleic acid molecules,

b) expressing the nucleic acid molecules to produce proteins,

c) immobilizing the proteins to the support.

3. (Original): A method of producing an array of proteins comprising,

a) providing a first nucleic acid array comprising nucleic acid molecules immobilized to a support, and amplifying *in situ* the nucleic acid molecules,

b) expressing the nucleic acid molecules to produce proteins,

c) transferring at least a subset of proteins produced in step b) to an additional support, and

d) immobilizing the subset to the additional support.

4. (Original): A method of producing an array of proteins comprising,

a) providing a first nucleic acid array comprising nucleic acid molecules immobilized to a support, and amplifying *in situ* the nucleic acid molecules,

b) transferring at least a subset of nucleic acid molecules produced by said amplifying to an additional support,

c) immobilizing the subset to the additional support,

d) expressing the subset to produce proteins,

e) immobilizing the proteins to the additional support.

5. (Original): A method of producing an array of proteins comprising,

a) providing a first nucleic acid array comprising nucleic acid molecules immobilized to a support, and amplifying *in situ* the nucleic acid molecules,

b) transferring at least a subset of nucleic acid molecules produced by said amplifying to an additional support,

c) immobilizing the subset of nucleic acid molecules to the additional support,

d) expressing the subset of nucleic acid molecules to produce proteins,

e) transferring at least a subset of proteins produced in step d) to a subsequent support, and

f) immobilizing the subset of proteins to the subsequent support.

6. (Original): The method of claim 1 wherein the nucleic acid molecules of the support are randomly patterned.

7. (Original): The method of claim 1 wherein the nucleic acid molecules of the support are ordered.

8. (Original): A method of producing an array of proteins comprising,

a) providing a first nucleic acid array comprising nucleic acid molecules immobilized to a support,

b) immobilizing proteins to the nucleic acid molecules.

9. (New): The method of claim 2, wherein the nucleic acid molecules amplified *in situ* are RNA or DNA.

10. (New): The method of claim 9, wherein the DNA is selected from the group consisting of whole cDNA, partial cDNA, modified cDNA, chromosomal DNA, naturally occurring DNA, and synthetic DNA.

11. (New): The method of claim 9, wherein the RNA is selected from the group consisting of mRNA, naturally occurring mRNA, and synthetic mRNA.

12. (New): The method of claim 2, wherein the nucleic acid molecules are amplified *in situ* by a technique selected from the group consisting of PCR, isothermal self-sustained sequence replication, DNA ligase amplification, nucleic acid sequence-based amplification, and strand-displacement amplification.

13. (New): The method of claim 12, wherein the nucleic acid molecules are amplified *in situ* by PCR.

14. (New): The method of claim 13, wherein the PCR comprises 10 amplification cycles.

15. (New): The method of claim 13, wherein the PCR comprises 20 amplification cycles.

16. (New): The method of claim 13, wherein the PCR comprises 30 amplification cycles.

17. (New): The method of claim 2, the nucleic acid molecules are amplified *in situ* to form a polony.

18. (New): The method of claim 2, wherein the nucleic acid molecules are amplified *in situ* to form an amplified feature.

19. (New): The method of claim 18, wherein size of the amplified feature is altered by adding polyacrylamide to the support.

20. (New): The method of claim 18, wherein size of the amplified feature is altered by adjusting a percentage of the polyacrylamide present on the support.

21. (New): The method of claim 18, wherein size of the amplified feature is determined by detecting fluorescence.